

**Appln No. 10/667,072**

**Amdt date July 21, 2005**

**Reply to Office action of April 21, 2005**

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A plasma display panel, comprising:

a first substrate and a second substrate opposing one another with a predetermined gap therebetween, the first substrate and the second substrate being substantially rectangular in shape with long side edges and short side edges, and being interconnected by frit deposited between the first substrate and the second substrate, said substrates having a predetermined discharge region and predetermined non-discharge regions that surround the discharge region, the predetermined discharge region and the predetermined non-discharge regions being within an area sealed by the frit; and

barrier ribs mounted between the first substrate and the second substrate,

wherein the barrier ribs are mounted at least partly on the discharge region, and at least partly on the non-discharge regions that are adjacent to the long side edges of the substrates, and wherein at least two of the barrier ribs are mounted at least partly on the non-discharge regions.

2. (Original) The plasma display panel of claim 1, wherein the barrier ribs define discharge cells.

**Appln No. 10/667,072**

**Amdt date July 21, 2005**

**Reply to Office action of April 21, 2005**

3. (Original) The plasma display panel of claim 1, wherein the long side edges are top and bottom edges of the substrates, and the short side edges are left and right edges of the substrates.

4. (Original) The plasma display panel of claim 1, wherein the barrier ribs are formed in a striped pattern.

5. (Original) The plasma display panel of claim 1, wherein the barrier ribs are formed to extend in a direction that is substantially parallel to the short side edges of the first substrate and the second substrate.

6. (Original) The plasma display panel of claim 1, wherein the barrier ribs mounted on at least one of the non-discharge regions adjacent to the long side edges of the substrates are integrally formed with the barrier ribs mounted on the discharge region.

7. (Original) The plasma display panel of claim 6, wherein the barrier ribs mounted on said at least one of the non-discharge regions adjacent to the long side edges of the substrates are extended until contacting the frit.

8. (Original) The plasma display panel of claim 1, wherein the barrier ribs mounted on at least one of the non-discharge regions adjacent to the long side edges of the substrates are separated from the barrier ribs mounted on the discharge region.

**Appln No. 10/667,072**

**Amdt date July 21, 2005**

**Reply to Office action of April 21, 2005**

9. (Original) The plasma display panel of claim 8, wherein the barrier ribs mounted on said at least one of the non-discharge regions adjacent to the long side edges of the substrates are extended until contacting the frit.

10. (Original) The plasma display panel of claim 9, wherein the barrier ribs mounted on said at least one of the non-discharge regions adjacent to the long side edges of the substrates are arranged such that each of the barrier ribs mounted on said at least one of the non-discharge regions adjacent to the long side edges of the substrates corresponds to one of the barrier ribs mounted on the discharge region.

11. (Original) The plasma display panel of claim 8, wherein the barrier ribs mounted on said at least one of the non-discharge regions adjacent to the long side edges are arranged such that one of the barrier ribs mounted on the non-discharge regions corresponds to a plurality of the barrier ribs mounted on the discharge region.

12. (Original) The plasma display panel of claim 11, wherein the barrier ribs mounted on said at least one of the non-discharge regions adjacent to the long side edges extend in a direction that is substantially parallel to the short side edges until contacting the frit.

13. (Original) The plasma display panel of claim 11, wherein a width in a direction that is substantially parallel to the long side edges of the substrates of the barrier ribs mounted on said at least one of the non-discharge regions

**Appln No. 10/667,072**

**Amdt date July 21, 2005**

**Reply to Office action of April 21, 2005**

adjacent to the long side edges of the substrates is substantially identical to a width in the direction that is substantially parallel to the long side edges of the substrates of an area occupied by all the barrier ribs mounted on the discharge region, said area including spaces between the barrier ribs.

14. (Original) The plasma display panel of claim 11, wherein a width in a direction that is substantially parallel to the long side edges of the substrates of the barrier ribs mounted on said at least one of the non-discharge regions adjacent to the long side edges of the substrates is substantially identical to a width in the direction that is substantially parallel to the long side edges of the substrates of an area occupied by a predetermined number of the barrier ribs mounted on the discharge region , said area including spaces between the barrier ribs.

15. (Original) The plasma display panel of claim 11, wherein corners of the barrier ribs mounted on said at least one of the non-discharge regions adjacent to the long side edges of the substrates are rounded.

16. (Original) The plasma display panel of claim 8, wherein during a sealing process of the plasma display panel, a sealing pressure is applied to the substrates at areas corresponding to where the barrier ribs are mounted on said at least one of the non-discharge regions that are adjacent to the long side edges of the substrates.

Appln No. 10/667,072

Amdt date July 21, 2005

Reply to Office action of April 21, 2005

17. (Original) The plasma display panel of claim 8, wherein during a sealing process of the plasma display panel, a sealing pressure is applied to the substrates at areas corresponding to between where the barrier ribs are mounted on said at least one of the non-discharge regions adjacent to the long side edges of the substrates and where the barrier ribs are mounted on the discharge region.

18. (Currently Amended) The plasma display panel comprising:

first and second substrates facing one another and having a gap therebetween, each substrate being substantially rectangular in shape with long side edges and short side edges and having a discharge region and non-discharge regions that surround the discharge region, the discharge region and the non-discharge regions being within an area sealed by a frit;

a plurality of barrier ribs mounted between the substrates on the discharge region; and

at least one a plurality of barrier ribs mounted between the substrates on at least one of the non-discharge regions that are adjacent to the long side edges of the substrates, so as to provide support to the substrates when a sealing pressure is applied to the substrates.

19. (Currently Amended) The plasma display panel of claim 18, wherein said at least one plurality of barrier ribs mounted on the non-discharge regions is are formed integrally with one of the plurality of barrier ribs.

**Appln No. 10/667,072**

**Amdt date July 21, 2005**

**Reply to Office action of April 21, 2005**

20. (Currently Amended) The plasma display panel of claim 18, wherein said ~~at least one~~ plurality of barrier ribs mounted on the non-discharge regions ~~is~~ are formed separately from the plurality of barrier ribs.